

# Even Testers Work Together

NDIA

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# OUTLINE

- On-going Cooperation
- Issues with Cooperation
- Working with Allies
- Test Community Requirements
- Focus
- Payoff
- Summary

# On-going Cooperation

- Global Market Place for Programs
  - F-16, F-15, F-18, etc.
  - Off-sets and Co-Production, Cooperative R&D
- Global Test Resources
  - Wind Tunnels
    - Availability
    - Capability
    - Cost
- Major US Defense Corporations  
Discussions with Coalition Defense Depts.

# Issues with International Cooperation

- Aggravations
  - Security Clearances
  - Proprietary Information
  - Cultural, Labor, & Political Differences
  - Different Technical Approaches
- Real Issue is Getting Programs to the Point Where Aggravations Are What You Have To Deal With

# The Only Thing Worse Than Working with Allies

# Is Working With Your Own Government

unless you are an Israeli

# Test Community Requirements

- Improvements in Test Cost & Cycle Time
  - Lack of Significant Investment
  - Testers Under-loved, Under-paid (\$ not only thing to whine about)
  - Bigger Issue--Contributing to Program Cost and Cycle Time Reduction
    - Requires Full-fledged Membership In Program Team
    - Test Results Inserted into Product Development Process Sooner

# Areas for Improvement

- Typical Developmental Aircraft Wind Tunnel Test Program--\$100M
  - Innovation--Pressure Sensitive Paint
    - Need Funds to Develop, to Validate
- F/A-18E/F 36 Month EMD (completed in 40)
  - Innovations--Better Technology for Flutter Prediction & Weapons Separation
    - Need Funds to Develop, to Validate

# Recent Focus

- Focus has been on Consolidation
  - Companies & Govt.
- Focus on Navy SYSCOMs Seceding from Beltway

# Potential Payoff

- Test Aircraft = \$100M
- Aircraft Month in EMD = \$5M

# Help Needed

- Aim Some Attention at Test Technology and Test Process Improvement in Govt. & Industry
- Aim Some Resources at Same
- Work These Issues Together--DOD & Industry

# Summary

- There is On-going Cooperation in Testing with Allies
- There are Aggravations, but They are Workable
- Its Time to Get Some Attention and Resources Aimed at Test Technology and Process Improvements